charging or discharging at a predefined time of the time characteristic after the absolute value of the current is equal to or less than the event characteristic which is a predefined lower limit threshold current.

7. (Amended) Apparatus as according to claim 1, characterized in that a square-wave signal of a certain frequency is used to switch a charge or discharge switch (3, 5) from an OFF position to an ON position to allow charging or discharging.

8. (Amended) Apparatus as according to claim 1, characterized in that the charge or discharge switch (3, 5)is switched from the ON position to the OFF position when the absolute value of the current is equal to or greater than the event characteristic which is a predefined limit threshold current.

9. (Amended) Apparatus as according to claim 1, characterized in that a desired average current is achieved by varying the time characteristic and the event characteristic.

10. (Amended) Apparatus as according to claim 1, characterized in that a time delay is predefined so that the charge or the discharge switch is switched to the ON position according to the predefined time delay, the predefined time delay being set to trigger when the absolute value of the current equals or is greater than a predefined current threshold.

11. (Amended) Apparatus as according to claim 1, characterized in that the current is not regulated within a current band and exhibits gaps.

14. (Amended) Method as according to claim 11, characterized in that the charge or discharge switch (3, 5) of the system is switched from an OFF position to an ON position or from the ON position to an OFF position, respectively to allow or stop charging or discharging when an absolute value of the current is respectively equal to or greater than or less than the event characteristic which is a predefined limit threshold current.

15. (Amended) Method as according to claim 11, characterized in that a charge or discharge switch (3, 5) of the system is switched from the OFF position to the ON position to allow

charging or discharging at a predefined time of the time characteristic after the absolute value of the current is equal to or less than the event characteristic which is a predefined lower limit threshold current.

16. (Amended) Method as according to claim 11, characterized in that a square-wave signal of a certain frequency is used to switch a charge or discharge switch (3, 5) from an OFF position to an ON position to allow charging or discharging and characterized in that the charge or discharge switch (3, 5)is switched from the ON position to the OFF position when the absolute value of the current is equal to or greater than the event characteristic which is a predefined upper limit threshold current.

18. (Amended) Application in particular eligible for use in a fuel injection system, the fuel injection system preferably using a double acting control valve.

REMARKS

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Respectfully submitted,

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